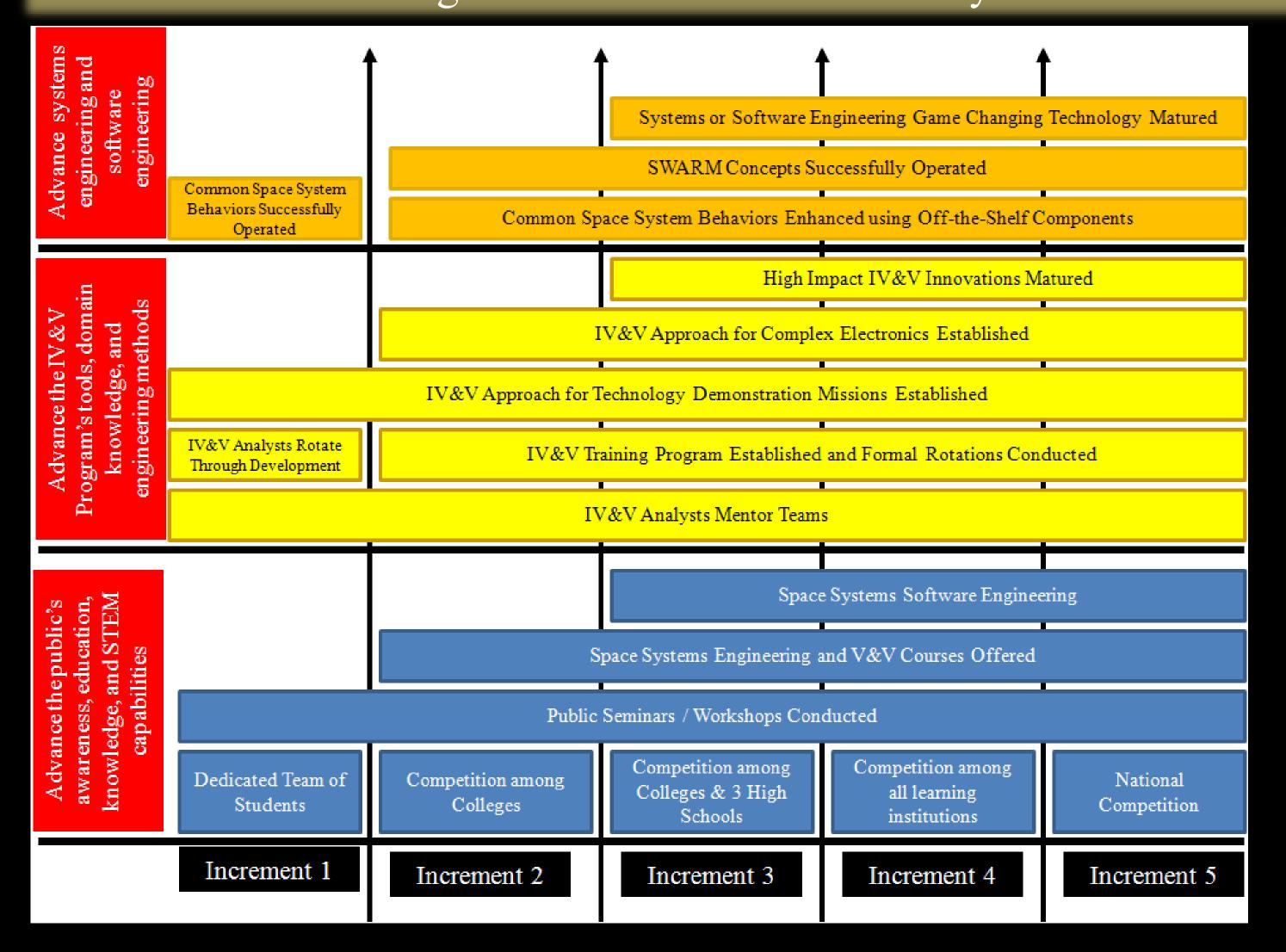


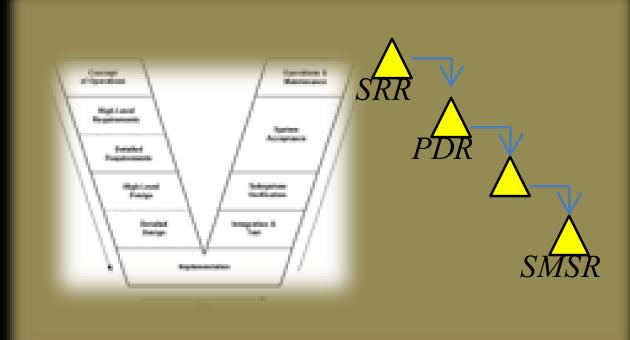
## IV&V Space Flight Design Challenge

Leading Innovations in IV&V and Systems and Software Engineering

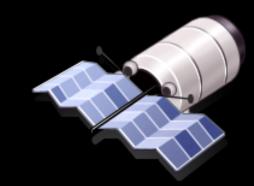


Rapid development, multiple flights a year, microsatellites and off-the-shelf components

## Teams of Student and NASA IV&V Engineers



NASA engineering life cycle



- Multiple spacecraft & SWARM Behaviors
- Autonomous software controls
- Autonomous verification
- Intelligent Fault Management
- Reconfigurable FPGAS
- Orbital debris removal
- Structure less systems
- Deployable apertures & grappling devices

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